

END00-0027-US1

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Reply to office action mailed 06/02/2003

The following is a complete listing of all claims in the application, with an indication of the status of each:

**Listing of claims:**

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1 1 (Currently amended). A method of filtering a datastream containing  
2 transport table sections, said method comprising steps of  
3 determining presence of transport table sections in a payload portion of  
4 a packet of said datastream from a [packet] program ID field in a header of  
5 said packet,  
6 filtering a portion of said transport table sections in accordance with a  
7 mask which defines a filter function and a logic state of a not match bit to  
8 provide a compare result,  
9 selecting a next mask and a portion of said transport table sections in  
10 accordance with a filter ID, and  
11 combining compare result values in accordance with a logic values of  
12 not match bits in a not match indication register,  
13 whereby an arbitrary length of said transport table sections are filtered  
14 by an arbitrary number of filters having arbitrary filter functions.

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1 2 (Original) A method as recited in claim 1, wherein said filter ID is  
2 implemented in a control word.

1 3 (Original). A method as recited in claim 2, wherein said Filter ID includes a  
2 section filter ID and a next filter ID.

1 4 (Currently amended). A method as recited in claim 1, wherein said  
2 combining step includes ANDing or ORing compare result values of a bit or

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3 over a group of bits in accordance with logic values of not match bits  
4 corresponding to [sad] said bit or group of bits.

1 5 (Original). A method as recited in claim 4, wherein said combining step  
2 further includes the step of  
3 accumulating a matchword over a plurality of blocks of filtered data.

1 6 (Original). A method as recited in claim 5, wherein said step of  
2 accumulating a matchword is performed by  
3 ANDing a current matchword bit with a corresponding bit of a  
4 previous matchword if the filtering applied to the current block is positive or  
5 mixed filtering, and  
6 ORing a current matchword bit with a corresponding bit of a previous  
7 matchword if the filtering applied to the current block is negative filtering  
8 in accordance with said contents of said not match indication register.

1 7 (Currently Amended). A method as recited in claim 5, wherein said step of  
2 accumulating a matchword is performed in [accodance] accordance with logic  
3 functions specified by at least one extra bit.

1 8 (Original). A method of filtering a datastream, said method comprising  
2 steps of  
3 filtering a portion of said datastream in accordance with a logic state of  
4 a not match bit and a Filter ID to provide a compare result, and  
5 combining compare result values in accordance with a logic values of  
6 not match bits in a not match indication register corresponding to said portion,  
7 whereby an arbitrary length of said datastream is filtered by an  
8 arbitrary filter function.

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1 9 (Original). A method as recited in claim 8, wherein said filter ID is  
2 implemented in a control word.

1 10 (Original). A method as recited in claim 9, wherein said Filter ID includes  
2 a section filter ID and a next filter ID.

1 11 (Currently amended). A method as recited in claim 8, wherein said  
2 combining step includes ANDing or ORing compare result values of a bit or  
3 over a group of bits in accordance with logic values of not match bits  
4 corresponding to [sad] said bit or group of bits.

1 12 (Original). A method as recited in claim 11, wherein said combining step  
2 further includes the step of  
3 accumulating a matchword over a plurality of blocks of filtered data.

1 13 (Original). A method as recited in claim 12, wherein said step of  
2 accumulating a matchword is performed by  
3 ANDing a current matchword bit with a corresponding bit of a  
4 previous matchword if the filtering applied to the current block is positive or  
5 mixed filtering, and

6 ORing a current matchword bit with a corresponding bit of a previous  
7 matchword if the filtering applied to the current block is negative filtering  
8 in accordance with said contents of said not match indication register.

1 14 (Currently Amended). A method as recited in claim 12, wherein said step  
2 of accumulating a matchword is performed in [accodance] accordance with  
3 logic functions specified by at least one extra bit.

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